

Receiving Report

Date: 15-12-10
 Supplier: Aviall

Batch No: 1338.11
 Dart P/O: 35711

Packing Slip: Yes ☒ No ☐
 Invoice: Yes ☒ No ☐
 Receipt: Cash ☐ Cr ☒
 New Supplier: Yes ☐ No ☒

Release Note Attached: Yes ☒ No ☐ N/A ☐
 Waybill Attached: Yes ☒ No ☐
 Shipment Complete: Yes ☒ No ☐ N/A ☐
 QC18 Inspection ☐ N/A ☒
 Work Order ☐ N/A ☒

Discrepancies

Part Number	Description	Quantity Ordered	Quantity Rec'd	Quantity Short	Quantity Inspected	Quantity Rejected	Comment / NCR Number

Initials of Receiver

QC12

Production/Admin:

Date

Received/Costing

Initial

Location



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO30711**

Purchase Order Date 12/9/2015

PO Print Date 12/9/2015

Page Number 1 of 1

Order From :

VU-AVI003

AVIALL
PO BOX 842275

DALLAS, TX 75284-2275
USA

Ship To : DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

FAXED

Contact Name

Vendor Phone 905-676-1695

Ship To Contact

Ship To Phone

Ship Via: FedEx Overnight collect

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax # 10127-2607

Terms

Net 30

Currency

USD

FOB

EXW - (Ex Works)

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	CB200-40	ADHESIVE (40 ml)	12/10/2015 Yes 12/10/2015	FN	4.00 Each	\$25.44	\$101.76
	EXO DATE: 10/07/2016						

Line Total: \$101.76

2	71401-45	procurement quality clauses	12/10/2015 No 12/10/2015		1.00	\$0.00	\$0.00
	Procurement Quality Clauses A005 RIGHT OF ENTRY A012 CHEMICAL AND PHYSICAL TEST REPORTS A015 SHELF LIFE CONTROLLED MATERIAL; 60% SHELF LIFE REQUIRED AT RECEIPT A026 CERTIFICATION OF MATERIAL CONFORMANCE A041 QUALITY MANAGEMENT SYSTEM A043 RETENTION OF QUALITY DOCUMENTS						

Line Total: \$0.00

PO Total: \$101.76

PO Instructions: Fedex Acc#151793240

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Change Nbr: 2

Change Date: 12/9/2015



PACKING LIST



DELIVERY NUMBER: 8002545950

ROUTE: US FedEx International Priority

PAGE:1 of 1

DATE:09DEC15

TIME:18:21:52

EMP:00027136

ORD TYP: ZOR 132

CURRENCY:USD

TERMS:Net 30

CUSTOMER PO:PO30711
ORDER NUMBER:1001751811
ORDER DATE:09DEC15

B 10003951
I DART AEROSPACE LTD
L 1270 ABERDEEN STREET
L HAWKESBURY ON K6A 1K7
CANADA
T
O

S 10003951
H DART AEROSPACE LTD
I 1270 ABERDEEN STREET
P HAWKESBURY ON K6A 1K7
CANADA
T
O

S 1000
H AVIALL CENTRAL WAREHOUSE
I DALLAS CDC
P 2750 REGENT BLVD
FROM DFW AIRPORT TX 75261-9048
USA

LINE	PO LINE	MFG	ITEM DESCRIPTION	ORDER QUANTITY	SHIP QUANTITY	QUANTITY BACK ORDER	UOM	LIST PRICE	CUSTOMER PRICE	EXTENDED CUSTOMER PRICE
00010	0	C8	CB200-40 ADHESIVE: ACRYLIC,40ML BATCH 7364078585	4	4	0	EA	34.57	25.44	101.76
					4					

This is not an Invoice.
For payment processing, please refer to Invoice.

The recipient of these goods agrees to comply with all export regulations governing the transfer, sale, lease, or use of these goods.
Diversion contrary to U.S. Law is prohibited.

CERTIFICATE OF CONFORMANCE

It is hereby certified that Aviall Services, Inc., is an approved distributor and meets all requirements of ISO9001, AS9100, AS9120 and AC 00-56 at 2750 Regent Blvd. DFW Airport, Texas. The products, articles or parts referenced on this document are in new or overhauled condition and were purchased from an approved source (FAA, EASA, TCCA, Mil Spec or Commercial). The Original Manufacturers' Certifications are maintained on file at our central office location, and copies are available upon request or at Aviall.com. For overhauled or repaired products, articles or parts, the original FAA 8130-3 / EASA Form 1 (Return to Service) or Yellow Tag, from the FAA/JAA/EASA approved Air Agency are attached to the component.

JR Hofmann, Director, Global Quality

09DEC15
Date

DISCOUNT TERMS APPLY ONLY TO SUB TOTAL. ALL
RETURNED MERCHANDISE SUBJECT TO HANDLING
FEE.
THIS IS TO CERTIFY THAT AVIALL HAS COMPLIED WITH
THE PROVISIONS OF THE FAIR LABOR ACT OF 1938
AMENDED.

CUSTOMER COPY



A BOEING COMPANY

Commercial Invoice

AVIALL SERVICES INC
2750 REGENT BLVD
DFW AIRPORT TX 75261
USA

Government Transaction Number
NOEEI FTR 30.36
Delivery Number
8002545950
Tracking Number
Commercial Invoice Number
9303120215
Incoterms
Ship Date
EXW Shipping Point
09 December, 2015

Sold To DART AEROSPACE LTD 1270 ABERDEEN STREET HAWKESBURY ON K6A 1K7 CANADA	10003951	Ultimate Consignee DART AEROSPACE LTD 1270 ABERDEEN STREET HAWKESBURY ON K6A 1K7 CANADA	10003951	Ship To DART AEROSPACE LTD 1270 ABERDEEN STREET HAWKESBURY ON K6A 1K7 CANADA	10003951	Freight Forwarder FEDEX FEDEX NATIONAL LTL INC PO BOX 94515 PALATINE IL 60094-4515 USA Tax Number: 20-4734803	400010
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Comments:


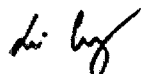
Item	Part Number & Description	Country of Origin	Quantity	UOM	Unit Value USD	Extended Value USD
10	CB200-40 - ADHESIVE: ACRYLIC, 40ML Harmonized Tariff: 3506100000 Export Classification: EAR99 Authorization: NLRAT_DEC_2015 Sales Order: 1001751811 PO: PO30711 Batch Number: 7364078585	US	4	EA	25.44	101.76

Gross Value	101.76
Add on Charges	
Tax Value	
Freight Charges	
Total Net Value	101.76

FOR CUSTOMS PURPOSES ONLY
NOT A BILLING INVOICE

These commodities, technology or software were exported from the United States in accordance with the Export Administration Regulations. Diversion contrary to US laws is prohibited.

SHIPPER'S DECLARATION FOR DANGEROUS GOODS

Shipper AVIALL SERVICES INC 2750 REGENT BLVD DFW AIRPORT, TX, 75261 U.S.A.		Air Waybill No. <div style="text-align: center;">Page 1 of 1 Pages</div> Shipper's Reference Number 8002545950 <small>(optional)</small>				
Consignee DART AEROSPACE LTD 1270 ABERDEEN STREET HAWKESBURY, ON, K6A 1K7 Canada		<div style="text-align: center;">  </div> Created using International Air regulations and FedEx carrier variations.				
Two completed and signed copies of this declaration must be handed to the operator.		WARNING Failure to comply in all respects with the applicable Dangerous Goods Regulations may be in breach of the applicable law, subject to legal penalties.				
<div style="border: 2px solid black; padding: 5px;"> TRANSPORT DETAILS This shipment is within the limitations prescribed for: <small>(delete non-applicable)</small> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">PASSENGER AND CARGO AIRCRAFT</td> <td style="width:50%; text-align: center;"> XXXXXX XXXXXX XXXXXX </td> </tr> </table> </div>		PASSENGER AND CARGO AIRCRAFT	XXXXXX XXXXXX XXXXXX	Airport of Departure:		
PASSENGER AND CARGO AIRCRAFT	XXXXXX XXXXXX XXXXXX					
Airport of Destination:		Shipment type: <small>(delete non-applicable)</small> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">NON-RADIOACTIVE</td> <td style="width:50%; text-align: center;"> RADIOACTIVE XXXXXX </td> </tr> </table>			NON-RADIOACTIVE	RADIOACTIVE XXXXXX
NON-RADIOACTIVE	RADIOACTIVE XXXXXX					
NATURE AND QUANTITY OF DANGEROUS GOODS						
Dangerous Goods Identification						
UN or ID No.	Proper Shipping Name	Class or Division (Subsidiary Risk)	Pack- ing Group	Quantity and type of packing		
UN1133	Adhesives	3	II	0.16 L		
UN3108	Organic peroxide type E, solid (BENZOYL PEROXIDE (AS A PASTE) 25%)	5.2		0.08 kg		
				All packed in one Fibreboard Box Q=0.1		
<div style="font-size: 2em; transform: rotate(-10deg); opacity: 0.5;"> SAS-12-10 </div>						
Additional Handling Information During the course of transport, this substance must be protected from direct sunlight and all sources of heat and be placed in adequately ventilated areas. . Emergency Contact Name: CCN2132 . Emergency Contact Phone: 1-800-424-9300 // INTL +1-703-527-3887						
I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. I declare that all of the applicable air transport requirements have been met.				Name/Title of signatory <div style="text-align: center;">Luis Cruz Hazardous Shipper</div> Place and Date Dallas Tx, 75261 12/9/2015 Signature <small>(see warning above)</small> 		

PACKING SLIP

9/4/2015

CLICK BOND INC.
2151 LOCKHEED WAY
CARSON CITY, NV 89706-0713
CAGE CODE 66530

CLICK BOND

1

Bill To:

AVIALL SERVICES INC
** E-MAIL INVOICE TO **
apinvoices@aviall.com

DALLAS, TX 75261-9048
USA

Ship To:

AVIALL CENTRAL WAREHOUSE
2750 REGENT BLVD
DFW AIRPORT

DALLAS, TX 75261
USA

Your P.O.	Shipped Via	Terms	Ordered By	Our Order No.
45281393	FEDEX GRND COLL	NET 30	H. FORDE	20148877

ITEM	ORDER QUANTITY	TOTAL SHIPPED	UNIT MEASURE	PART NUMBER
01	320.0000	320.0000	EA	CB200-40

ITEM CB200-40=C8



BATCH 7364078585



GRIVAS
09/21/15



CLICK BOND INC.
2151 LOCKHEED WAY
CARSON CITY, NV 89706-0713
PHONE: (775)885-8000
FAX: (775)883-0191

CERTIFICATION OF CONFORMANCE

Customer:	AVIALL SERVICES INC	Customer PO:	45281393
Customer P/N:	CB200-40	Quantity:	320
Customer Rev Number:	1	Lot Number:	20148877-01-01
Click Bond P/N:	CB200-40	MFG Lot:	50193239
Click Bond Rev Number:	1	Click Bond Cage Code:	66530

SHELF LIFE:

Room Temperature	6 Months	Exp. Date:	03-Mar-2016
Refrigerated (35-50 deg F)	1 Year	Exp. Date:	03-Sep-2016

As the authorized representative of Click Bond, Inc. the undersigned, warrants and represents: the product identified on this Certificate of Conformance has been manufactured, inspected and unless otherwise noted, conforms in all respects to the applicable customer purchase order, drawings, specifications and standards. The information appearing herein is true and accurate. This certificate may be used to induce payment with the knowledge the information and certification may be used as a basis for such payment.

If no customer specific Quality Requirement is stipulated in your purchase order, goods produced are inspected to Click Bond's Registered Quality and Environmental Management Systems. The systems and procedures conform to the requirements of AS9100, ISO 9001, ISO 14001 and ISO 10012.

Click Bond, Inc. certifies these goods were not manufactured with and do not contain asbestos, ozone depleting substances, mercury, pure tin, pure zinc, cadmium, or radioactive material. This material is RoHS2 and REACH compliant. Complete reports of physical and chemical tests and composition are on file for customer examination.

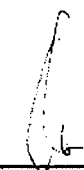
Products represented by this certificate of conformance were manufactured in the United States of America and comply with the requirements of DFARS 252.225-7009 with Alternate 1.

Where applicable, Click Bond warrants the performance of the fixtures for 10 years from the date of certification.

"The first eight digits of the 'Lot Number' are the same as 'Our Order No.' on the packing list."

9/3/2015

Date of Certification


Victoria Negrete - Quality Control

CF-824-002.03.00 Rev 0 Certificate of Conformance 08-25-15

Click Bond - CB200A - Safety Data Sheet

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: CB200A
Product Use/Class: Part A of 2 part Acrylic adhesive kit

Click Bond, Inc.
2151 Lockheed Way
Carson City, NV 89706-0713

Telephone: 775-885-8000
Non-Transportation Emergency Telephone No.: 800-255-3924
Emergency: Chemtel 24 Hour Emergency No.: 800-255-3924
Outside Continental USA: 813-248-0585 (Call Collect)

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATION:

Organic peroxides Type E
Skin corrosion/irritation Category 2
Serious eye damage/eye irritation Category 2A
Skin sensitization Category 1
Carcinogenicity Category 2
Specific target organ systemic toxicity (single exposure) Category 3
Specific target organ systemic toxicity (repeated exposure) Category 2 Blood, brain, Hematopoietic System, Kidney, Liver
Specific target organ systemic toxicity (repeated exposure) Category 1 Lungs
Hazardous to the aquatic environment - acute hazard Category 1
Hazardous to the aquatic environment - chronic hazard Category 2

GHS LABEL ELEMENTS:

Symbol(s)



Signal Word

DANGER

Hazard Statements

Heating may cause a fire.
Causes skin irritation.
Causes serious eye irritation.
May cause an allergic skin reaction.
Suspected of causing cancer.
May cause respiratory irritation.
May cause damage to organs through prolonged or repeated exposure in contact with skin (Blood, brain, Hematopoietic System, Kidney, Liver).
Causes damage to organs through prolonged or repeated exposure (Lungs).
Very toxic to aquatic life.
Toxic to aquatic life with long lasting effects.

Precautionary Statements

Prevention

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Keep/Store away from clothing/ .? /combustible materials.
Keep only in original container.
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Wear protective gloves/eye protection/face protection.
Use personal protective equipment as required.
Do not breathe dust/fume/gas/mist/vapors/spray.
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
Contaminated work clothing should not be allowed out of the workplace.
Avoid release to the environment.

Response

Call a POISON CENTER or doctor/physician if you feel unwell.
Specific treatment (see supplemental first aid instructions on this label).
IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
IF ON SKIN: Wash with plenty of soap and water.
If skin irritation or rash occurs: Get medical advice/attention.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
Continue rinsing.
Take off contaminated clothing and wash before reuse.
Collect spillage.

Storage

Store in a well-ventilated place. Keep container tightly closed.
Store locked up.
Protect from sunlight.
Store at temperatures not exceeding .? °C/ .? °F. Keep cool.
Store away from other materials.

Disposal:

Dispose of contents/container in accordance with waste/disposal laws and regulations of your country or particular locality.

Other Hazards:

This product contains component(s) which have the following warnings; however based on the GHS classification criteria of your country or locale, the product mixture may be outside the respective category(s).

Acute: Harmful if swallowed. Ingestion is not an expected route of entry in industrial or commercial uses.

Chronic: Prolonged or repeated contact may result in dermatitis. IARC has designated titanium dioxide (TiO₂) as Group 2B - possibly carcinogenic to humans in dust form. However, a number of long term animal studies and human epidemiology studies evaluating TiO₂ and workplace exposure show insufficient evidence for carcinogenic affects. EPA, NTP and OSHA do not designate TiO₂ as a carcinogen and ACGIH designates TiO₂ as A4 - not classifiable as a human carcinogen. TiO₂ is not present in this product as a dust and no airborne exposure is expected during application.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Range
Epoxy resin	PROPRIETARY	40 - 45%
Isodecyl benzoate	131298-44-7	20 - 25%
Benzoyl peroxide	94-36-0	20 - 25%
Titanium dioxide	13463-67-7	1 - 5%

Any "PROPRIETARY" component(s) in the above table is considered trade secret, thus the specific chemical and its exact concentration is being withheld.

4. FIRST AID MEASURES

FIRST AID - EYE CONTACT: Flush eyes immediately with large amount of water for at least 15 minutes holding eyelids open while flushing. Get prompt medical attention.

FIRST AID - SKIN CONTACT: Flush contaminated skin with large amounts of water while removing contaminated clothing. Wash affected skin areas with soap and water. Get medical attention if symptoms occur.

FIRST AID - INHALATION: Move person to fresh air. Restore and support continued breathing. If breathing is difficult, give oxygen. Get immediate medical attention.

FIRST AID - INGESTION: If swallowed, do not induce vomiting. Call a physician or poison control center immediately for further instructions. Never give anything by mouth if victim is rapidly losing consciousness, unconscious or convulsing.

5. FIREFIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: Carbon Dioxide, Dry Chemical, Foam, Water Fog

SPECIFIC HAZARDS POSSIBLY ARISING FROM THE CHEMICAL: Keep containers tightly closed. Closed containers may rupture when exposed to extreme heat. Use water spray to keep fire exposed containers cool. During a fire, irritating and/or toxic gases and particulate may be generated by thermal decomposition or combustion.

SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS: Wear full firefighting protective clothing, including self-contained breathing apparatus (SCBA). If water is used, fog nozzles are preferable.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES: Avoid contact. Avoid breathing vapors. Use appropriate respiratory protection for large spills or spills in confined area.

ENVIRONMENTAL PRECAUTIONS: Do not contaminate bodies of water, waterways, or ditches, with chemical or used container.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP: Keep non-essential personnel a safe distance away from the spill area. Notify appropriate authorities if necessary. Avoid contact. Before attempting cleanup, refer to hazard caution information in other sections of the SDS form. Scoop spilled material into an appropriate container for proper disposal. (If necessary, use inert absorbent material to aid in containing the spill).

7. HANDLING AND STORAGE

HANDLING: Keep closure tight and container upright to prevent leakage. Avoid skin and eye contact. Wash thoroughly after handling. Do not handle until all safety precautions have been read and understood. Empty containers should not be reused. Use with adequate ventilation.

STORAGE: Store only in well-ventilated areas. Keep container closed when not in use.

INCOMPATIBILITY: Amines, acids, water, hydroxyl, or active hydrogen compounds.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

COMPONENT EXPOSURE LIMIT

Chemical Name	ACGIH TLV		OSHA PEL		Skin
	TWA	STEL	TWA	CEILING	
Epoxy resin	N.E.	N.E.	N.E.	N.E.	N.A.
Isodecyl benzoate	N.E.	N.E.	N.E.	N.E.	N.A.
Benzoyl peroxide	5 mg/m ³	N.E.	5 mg/m ³	N.E.	N.A.
Titanium dioxide	10 mg/m ³	N.E.	15 mg/m ³	N.E.	N.A.

N.A. - Not Applicable, N.E. - Not Established, S - Skin Designation

Engineering controls: Sufficient ventilation in pattern and volume should be provided in order to maintain air contaminant levels below recommended exposure limits.

PERSONAL PROTECTION MEASURES/EQUIPMENT:

RESPIRATORY PROTECTION: Use a NIOSH approved air-purifying organic vapor respirator if occupational limits are exceeded. For emergency situations, confined space use, or other conditions where exposure limits may be greatly exceeded, use an approved air-supplied respirator. Observe OSHA regulations (29CFR 1910.134) for respirator use.

SKIN PROTECTION: Use neoprene, nitrile, or rubber gloves to prevent skin contact.

EYE PROTECTION: Use safety eyewear including safety glasses with side shields and chemical goggles where splashing may occur.

OTHER PROTECTIVE EQUIPMENT: Use disposable or impervious clothing if work clothing contamination is likely. Remove and wash contaminated clothing before reuse.

HYGIENIC PRACTICES: Wash hands before eating, smoking, or using toilet facility. Food or beverages should not be consumed anywhere this product is handled or stored. Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Typical values, not to be used for specification purposes.

ODOR:	No	VAPOR PRESSURE:	N.D.
APPEARANCE:	White	VAPOR DENSITY:	Heavier than Air
PHYSICAL STATE:	Paste	LOWER EXPLOSIVE LIMIT:	Not Applicable
FLASH POINT:	≥ 201°F (93°C) Setflash Closed Cup	UPPER EXPLOSIVE LIMIT:	Not Applicable
BOILING RANGE:	100°C	EVAPORATION RATE:	Not Applicable
AUTOIGNITION TEMPERATURE:	N.D.	DENSITY:	10.00 lb/gal (1.2 g/cm ³)
DECOMPOSITION TEMPERATURE:	N.D.	VISCOSITY, DYNAMIC:	N.D.
ODOR THRESHOLD:	N.D.	VISCOSITY, KINEMATIC:	N.D.
SOLUBILITY IN H₂O:	Insoluble	VOLATILE BY WEIGHT:	5.98%
pH:	N.A.	VOLATILE BY VOLUME:	7.45%
FREEZE POINT:	N.D.	VOC CALCULATED:	0 lb/gal (0 g/l)
COEFFICIENT OF WATER/OIL DISTRIBUTION: N.D.			

LEGEND: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

10. STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION: Hazardous polymerization will not occur under normal conditions.

STABILITY: Product is stable under normal storage conditions.

CONDITIONS TO AVOID: High temperatures.

INCOMPATIBILITY: Amines, acids, water, hydroxyl, or active hydrogen compounds.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide, aldehydes, metal oxides

11. TOXICOLOGICAL INFORMATION

EXPOSURE PATH: Refer to section 2 of this SDS.

SYMPTOMS: Refer to section 2 of this SDS.

TOXICITY MEASURES:

Chemical Name	LD50/LC50
Epoxy resin	Oral LD50: Rat 11,400 mg/kg
Isodecyl benzoate	N.D.
Benzoyl peroxide	Oral LD50: Rat 6,400 mg/kg
Titanium dioxide	Oral LD50: Rat > 10,000 mg/kg GHS LC50 (vapor): rat 55 mg/l /

Germ cell mutagenicity: No classification proposed

Carcinogenicity: Category 2 - Suspected of causing cancer.

Components contributing to classification: Titanium dioxide.

Reproductive toxicity: No classification proposed.

12. ECOLOGICAL INFORMATION

ECOTOXICITY:

Chemical Name	Ecotoxicity
Epoxy resin	N.D.
Isodecyl benzoate	N.D.
Benzoyl peroxide	N.D.
Titanium dioxide	N.D.

PERSISTENCE AND DEGRADABILITY: Not determined for this product.

BIOACCUMULATIVE: Not determined for this product.

MOBILITY IN SOIL: Not determined for this product.

OTHER ADVERSE EFFECTS: Not determined for this product.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of contents/container in accordance with waste/disposal laws and regulations of your country or particular locality. Disposal should be done in accordance with Federal (40CFR Part 261), state and local environmental control regulations. If waste is determined to be hazardous, use licensed hazardous waste transporter and disposal facility.

14. TRANSPORT INFORMATION

US DOT Road

DOT Proper Shipping Name: Organic peroxide type E, solid
DOT Hazard Class: 5.2
SECONDARY HAZARD: None
DOT UN/NA Number: 3108
Packing Group: II
Emergency Response Guide Number: 145

IATA Cargo

PROPER SHIPPING NAME: Organic peroxide type E, solid
DOT Hazard Class: 5.2
HAZARD CLASS: None
UN-NUMBER: 3108
PACKING GROUP: II
EMS: 5L

IMDG

PROPER SHIPPING NAME: Organic peroxide type E, solid
DOT Hazard Class: 5.2
HAZARD CLASS: None
PACKING GROUP: II
EMS: F-J

The listed transportation classification applies to US DOT Road, IATA Cargo, and IMDG non-bulk shipments. It does not address regulatory variations due to changes in package size, mode of shipment or other regulatory descriptors. For the most accurate shipping information, refer to your transportation/compliance department.

15. REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS: AS FOLLOWS:

SARA SECTION 313

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Weight % Less Than</u>
Benzoyl peroxide	94-36-0	25.0%

TOXIC SUBSTANCES CONTROL ACT:

INVENTORY STATUS

The chemical substances in this product are on the TSCA Section 8 Inventory.

EXPORT NOTIFICATION

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

NONE

16. OTHER INFORMATION

Under HazCom 2012 it is optional to continue using the HMIS rating system. It is important to ensure employees have been trained to recognize the different numeric ratings associated with the HazCom 2012 and HMIS schemes.

HMIS RATINGS - HEALTH: 2 **FLAMMABILITY:** 1 **PHYSICAL HAZARD:** 2

* - Indicates a chronic hazard; see Section 2

Revision: New GHS SDS Format

Effective Date: July 2, 2015

DISCLAIMER

The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. It is the responsibility of the user to comply with all applicable federal, state, and local laws and regulations.

Click Bond - CB200B - Safety Data Sheet

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: CB200B
Product Use/Class: Part B of 2 part Acrylic adhesive kit
Click Bond, Inc.
2151 Lockheed Way
Carson City, NV 89706-0713
Telephone: 775-885-8000
Non-Transportation Emergency Telephone No.: 800-255-3924
Emergency: Chemtel 24 Hour Emergency No.: 800-255-3924
Outside Continental USA: 813-248-0585 (Call Collect)

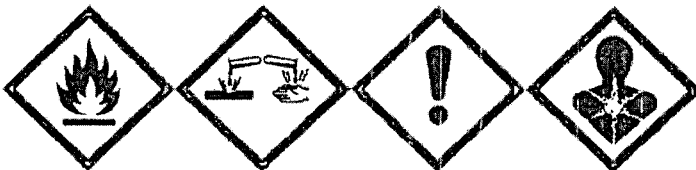
2. HAZARDS IDENTIFICATION

GHS CLASSIFICATION:

Flammable liquids Category 2
Acute toxicity Inhalation - Dust and Mist Category 4 - 32.4% of the mixture consists of ingredient(s) of unknown toxicity.
Acute toxicity Inhalation - Vapors Category 4 - 32.4% of the mixture consists of ingredient(s) of unknown toxicity.
Skin corrosion/irritation Category 2
Serious eye damage/eye irritation Category 1
Skin sensitization Category 1
Respiratory sensitization Category 1
Carcinogenicity Category 2
Reproductive toxicity Category 2
Specific target organ systemic toxicity (single exposure) Category 3
Specific target organ systemic toxicity (single exposure) Category 1 circulatory system, Nervous system, Hematopoietic System
Specific target organ systemic toxicity (repeated exposure) Category 1 Blood, Liver, spleen, Adrenal gland, Kidney, Nervous system, Central nervous system, Respiratory system
Hazardous to the aquatic environment - acute hazard Category 2
Hazardous to the aquatic environment - chronic hazard Category 3

GHS LABEL ELEMENTS:

Symbol(s)



Signal Word

DANGER

Hazard Statements

Highly flammable liquid and vapor.
Harmful if inhaled.
Causes skin irritation.
Causes serious eye damage.
May cause an allergic skin reaction.
May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Suspected of causing cancer.
Suspected of damaging fertility or the unborn child.
May cause drowsiness or dizziness.
May cause respiratory irritation.
Causes damage to organs (circulatory system, Nervous system, Hematopoietic System).
Causes damage to organs through prolonged or repeated exposure (Blood, Liver, spleen, Adrenal gland, Kidney, Nervous system, Central nervous system, Respiratory system).
Toxic to aquatic life.
Harmful to aquatic life with long lasting effects.

Precautionary Statements

Prevention

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Ground/Bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Wear protective gloves/protective clothing/eye protection/face protection.
Use personal protective equipment as required.
In case of inadequate ventilation wear respiratory protection.
Do not breathe dust/fume/gas/mist/vapors/spray.
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
Contaminated work clothing should not be allowed out of the workplace.
Avoid release to the environment.

Response

In case of fire: refer to section 5 of SDS for extinguishing media.
Immediately call a POISON CENTER or doctor/physician.
Specific treatment (see supplemental first aid instructions on this label).
IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
Continue rinsing.

Storage

Store in a well-ventilated place. Keep cool.
Store in a well-ventilated place. Keep container tightly closed.
Store locked up.

Disposal:

Dispose of contents/container in accordance with waste/disposal laws and regulations of your country or particular locality.

Other Hazards:

This product contains component(s) which have the following warnings; however based on the GHS classification criteria of your country or locale, the product mixture may be outside the respective category(s).

Acute: May be absorbed through the skin in harmful amounts. May cause headache and nausea. May cause central nervous system depression characterized by the following progressive steps: headache, dizziness, staggering gait, confusion, unconsciousness or coma. Harmful if swallowed. Ingestion is not an expected route of entry in industrial or commercial uses.

Chronic: Prolonged or repeated contact may result in dermatitis. Contains N,N-Dimethylaniline. Excessive overexposure by skin absorption or ingestion may result in anoxia due to the formation of methemoglobin. This condition impairs the blood's ability to transport oxygen. ACGIH considers molybdenum to be an A3 carcinogen (confirmed animal carcinogen with unknown relevance in humans).

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Weight % Less Than
Methyl methacrylate	80-62-6	55.0%
Methacrylic acid	79-41-4	10.0%
Methacrylate phosphate ester	PROPRIETARY	5.0%
N,N-Dimethylaniline	121-69-7	5.0%
Amine curative	PROPRIETARY	5.0%
Calcium molybdate	7789-82-4	0.9%
Methacrylate monomer	PROPRIETARY	0.9%

4. FIRST AID MEASURES

FIRST AID - EYE CONTACT: Flush eyes immediately with large amount of water for at least 15 minutes holding eyelids open while flushing. Get prompt medical attention.

FIRST AID - SKIN CONTACT: Flush contaminated skin with large amounts of water while removing contaminated clothing. Wash affected skin areas with soap and water. Get medical attention if symptoms occur.

FIRST AID - INHALATION: Move person to fresh air. Restore and support continued breathing. If breathing is difficult, give oxygen. Get immediate medical attention.

FIRST AID - INGESTION: If swallowed, do not induce vomiting. Call a physician or poison control center immediately for further instructions. Never give anything by mouth if victim is rapidly losing consciousness, unconscious or convulsing.

5. FIREFIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: Carbon Dioxide, Dry Chemical, Foam, Water Fog

SPECIFIC HAZARDS POSSIBLY ARISING FROM THE CHEMICAL: Flammable liquid and vapor. Keep containers tightly closed. Isolate from heat, electrical equipment, sparks, open flame, and other sources of ignition. Closed containers may rupture when exposed to extreme heat. Use water spray to keep fire exposed containers cool. During a fire, irritating and/or toxic gases and particulate may be generated by thermal decomposition or combustion.

SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS: Wear full firefighting protective clothing, including self-contained breathing apparatus (SCBA). If water is used, fog nozzles are preferable.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES: Remove all sources of ignition (flame, hot surfaces, and electrical, static or frictional sparks). Avoid contact. Avoid breathing vapors. Use self-contained breathing equipment.

ENVIRONMENTAL PRECAUTIONS: Do not contaminate bodies of water, waterways, or ditches, with chemical or used container.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP: Keep non-essential personnel a safe distance away from the spill area. Notify appropriate authorities if necessary. Avoid contact. Before attempting cleanup, refer to hazard caution information in other sections of the SDS form. Using non-sparking tools, scoop the spilled material into a container for proper disposal. (If necessary, use inert absorbent material to aid in containing the spill).

7. HANDLING AND STORAGE

HANDLING: Keep closure tight and container upright to prevent leakage. Ground and bond containers when transferring material. Avoid skin and eye contact. Wash thoroughly after handling. Avoid breathing of vapor or spray mists. Do not handle until all safety precautions have been read and understood. Use with adequate ventilation. Because empty containers may retain product residue and flammable vapors, keep away from heat, sparks and flame; do not cut, puncture or weld on or near the empty container. Do not smoke where this product is used or stored.

STORAGE: Refer to OSHA 29CFR Part 1910.106 "Flammable and Combustible Liquids" for specific storage requirements. Store only in well-ventilated areas. Keep container closed when not in use.

INCOMPATIBILITY: Inorganic acids, organic acids, caustics, oxidizing agents, amines, peroxides, metals, reducing agents, acids, and bases.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

COMPONENT EXPOSURE LIMIT

Chemical Name	ACGIH TLV		OSHA PEL		Skin
	TWA	STEL	TWA	CEILING	
Methyl methacrylate	50 ppm	100 ppm	410 mg/m ³ 100 ppm	N.E.	N.A.
Methacrylic acid	20 ppm	N.E.	N.E.	N.E.	S
Methacrylate phosphate ester	N.E.	N.E.	N.E.	N.E.	N.A.
N,N-Dimethylaniline	5 ppm	10 ppm	25 mg/m ³ 5 ppm	N.E.	S
Amine curative	N.E.	N.E.	N.E.	N.E.	N.A.
Calcium molybdate	3 mg/m ³	N.E.	5 mg/m ³	N.E.	N.A.
Methacrylate monomer	N.E.	N.E.	N.E.	N.E.	N.A.

N.A. - Not Applicable, N.E. - Not Established, S - Skin Designation

Engineering controls: Sufficient ventilation in pattern and volume should be provided in order to maintain air contaminant levels below recommended exposure limits. Sufficient ventilation (using explosion-proof equipment) should be provided to prevent flammable vapor/air mixtures from accumulating.

PERSONAL PROTECTION MEASURES/EQUIPMENT:

RESPIRATORY PROTECTION: Contains a small amount of dimethylaniline (DMA) which has poor odor warning properties. If the exposure limit for DMA is exceeded, an air-supplied respirator is recommended. Otherwise, a NIOSH approved properly-fitted organic vapor, air purifying respirator is recommended. For emergency situations, confined space use, or other conditions where exposure limits may be greatly exceeded, use an approved air-supplied respirator. Observe OSHA regulations (29CFR 1910.134) for respirator use.

SKIN PROTECTION: Use neoprene, nitrile, or rubber gloves to prevent skin contact. If contact with the product is prolonged or repeated, Silver Shield or Butyl rubber gloves are recommended.

EYE PROTECTION: Use safety eyewear including safety glasses with side shields and chemical goggles where splashing may occur.

OTHER PROTECTIVE EQUIPMENT: Use disposable or impervious clothing if work clothing contamination is likely. Remove and wash contaminated clothing before reuse.

HYGIENIC PRACTICES: Wash hands before eating, smoking, or using toilet facility. Food or beverages should not be consumed anywhere this product is handled or stored. Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Typical values, not to be used for specification purposes.

ODOR:	Sweet	VAPOR PRESSURE:	N.D.
APPEARANCE:	Off-white	VAPOR DENSITY:	Heavier than Air
PHYSICAL STATE:	Liquid	LOWER EXPLOSIVE LIMIT:	1% (V)
FLASH POINT:	65°F (18°C) Setaflash Closed Cup	UPPER EXPLOSIVE LIMIT:	8.8% (V)
BOILING RANGE:	N.A.	EVAPORATION RATE:	Faster than n-butylacetate.
AUTOIGNITION TEMPERATURE:	N.D.	DENSITY:	8.64 lb/gal (1.04 g/cm ³)
DECOMPOSITION TEMPERATURE:	N.D.	VISCOSITY, DYNAMIC:	N.D.
ODOR THRESHOLD:	N.D.	VISCOSITY, KINEMATIC:	N.D.
SOLUBILITY IN H₂O:	Insoluble	VOLATILE BY WEIGHT:	0.02%
pH:	N.A.	VOLATILE BY VOLUME:	0.02%
FREEZE POINT:	N.D.	VOC CALCULATED:	0 lb/gal (0 g/l)
COEFFICIENT OF WATER/OIL DISTRIBUTION: N.D.			

NOTE: In normal use, the acrylate monomer in this product is considered to be non-volatile and is polymerized during cure. For purposes of air quality regulations, the maximum amount of VOC emitted is less than 5%. Actual emissions are a function of processing conditions. VOC is evaluated in combination with CB200A.

LEGEND: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

10. STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION: Hazardous polymerization will not occur under normal conditions.

STABILITY: Product is stable under normal storage conditions.

CONDITIONS TO AVOID: The product is normally supplied in a stabilized form. If the permissible storage period and/or storage temperature is noticeably exceeded, the product may polymerize with heat evolution; storage above 100°F and below 32°F. Exposure to sunlight, ultraviolet light irradiation. Avoid dropping or puncture of containers; heat, flames and sparks.

INCOMPATIBILITY: Inorganic acids, organic acids, caustics, oxidizing agents, amines, peroxides; metals; reducing agents; acids and bases

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide, oxides of nitrogen

11. TOXICOLOGICAL INFORMATION

EXPOSURE PATH: Refer to section 2 of this SDS.

SYMPTOMS: Refer to section 2 of this SDS.

TOXICITY MEASURES:

Chemical Name	LD50/LC50
Methyl methacrylate	Oral LD50: Rat 7,872 mg/kg Oral LD50: Rat 7,900 mg/kg Dermal LD50: Rabbit > 5 g/kg Inhalation LC50: Rat 4632 ppm/4 h
Methacrylic acid	Oral LD50: Rat 1,060 mg/kg Dermal LD50: Rabbit 500 - 1,000 mg/kg Inhalation LC50: Rat 7.1 mg/l /4 h
Methacrylate phosphate ester	Oral LD50: rat > 5,000 mg/kg
N,N-Dimethylaniline	Oral LD50: Rat 700 mg/kg Dermal LD50: Rabbit 1770 µL/kg Inhalation LC50: Rat > 5.1 mg/l /4 h
Amine curative	N.D.
Calcium molybdate	GHS LC50 (vapor): rat 55 mg/l /
Methacrylate monomer	Oral LD50: Rat 5,050 mg/kg Dermal LD50: Rabbit > 3,000 mg/kg

Germ cell mutagenicity: No classification proposed

Carcinogenicity: Category 2 - Suspected of causing cancer.

Components contributing to classification: N,N-Dimethylaniline.

Reproductive toxicity: Category 2 - Suspected of damaging fertility or the unborn child.

Components contributing to classification: Methyl methacrylate. Zinc compound.

12. ECOLOGICAL INFORMATION**ECOTOXICITY:**

Chemical Name	Ecotoxicity
Methyl methacrylate	Fish: Pimephales promelas 243 - 275 mg/l/96 h flow-through Pimephales promelas 125.5 - 190.7 mg/l/96 h Static Lepomis macrochirus 170 - 206 mg/l/96 h flow-through Lepomis macrochirus 153.9 - 341.8 mg/l/96 h Static Oncorhynchus mykiss > 79 mg/l/96 h flow-through Oncorhynchus mykiss > 79 mg/l/96 h Static Poecilia reticulata 326.4 - 426.9 mg/l/96 h Static Invertebrates: Daphnia magna 69 mg/l/48 h Plants: Pseudokirchneriella subcapitata 170 mg/l/96 h
Methacrylic acid	N.D.
Methacrylate phosphate ester	N.D.
N,N-Dimethylaniline	Fish: Pimephales promelas 52.6 mg/l/96 h flow-through Pimephales promelas 65.6 mg/l/96 h Poecilia reticulata 53.7 mg/l/96 h semi-static Brachydanio rerio 51.1 mg/l/96 h semi-static Brachydanio rerio 0.183 - 0.186 mg/l/96 h Invertebrates: Daphnia magna 5 mg/l/48 h Plants: Desmodium subspicatus 340 mg/l/96 h
Amine curative	N.D.
Calcium molybdate	N.D.
Methacrylate monomer	Fish: Pimephales promelas 213 - 242 mg/l/96 h flow-through Pimephales promelas 227 mg/l/96 h

PERSISTENCE AND DEGRADABILITY: Not determined for this product.

BIOACCUMULATIVE: Not determined for this product.

MOBILITY IN SOIL: Not determined for this product.

OTHER ADVERSE EFFECTS: Not determined for this product.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of contents/container in accordance with waste/disposal laws and regulations of your country or particular locality. Disposal should be done in accordance with Federal (40CFR Part 261), state and local environmental control regulations. If waste is determined to be hazardous, use licensed hazardous waste transporter and disposal facility.

14. TRANSPORT INFORMATION

US DOT Road

DOT Proper Shipping Name: Adhesives
DOT Hazard Class: 3
SECONDARY HAZARD: None
DOT UN/NA Number: 1133
Packing Group: II
Emergency Response Guide Number: 128

IATA Cargo

PROPER SHIPPING NAME: Adhesives
DOT Hazard Class: 3
HAZARD CLASS: None
UN-NUMBER: 1133
PACKING GROUP: II
EMS: 3L

IMDG

PROPER SHIPPING NAME: Adhesives
DOT Hazard Class: 3
HAZARD CLASS: None
UN-NUMBER: 1133
PACKING GROUP: II
EMS: F-E

The listed transportation classification applies to US DOT Road, IATA Cargo, and IMDG non-bulk shipments. It does not address regulatory variations due to changes in package size, mode of shipment or other regulatory descriptors. For the most accurate shipping information, refer to your transportation/compliance department.

15. REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS: AS FOLLOWS:

SARA SECTION 313

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Weight % Less Than</u>
Methyl methacrylate	80-62-6	55.0%
N,N-Dimethylaniline	121-69-7	5.0%

TOXIC SUBSTANCES CONTROL ACT:

INVENTORY STATUS

The chemical substances in this product are on the TSCA Section 8 Inventory.

EXPORT NOTIFICATION

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

NONE

16. OTHER INFORMATION

Under HazCom 2012 it is optional to continue using the HMIS rating system. It is important to ensure employees have been trained to recognize the different numeric ratings associated with the HazCom 2012 and HMIS schemes.

HMIS RATINGS - HEALTH: 2* **FLAMMABILITY:** 3 **PHYSICAL HAZARD:** 1

* - Indicates a chronic hazard; see Section 2

Revision: New GHS SDS Format

Effective Date: July 2, 2015

DISCLAIMER

The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. It is the responsibility of the user to comply with all applicable federal, state, and local laws and regulations.

POTENTIAL HAZARDS**FIRE OR EXPLOSION**

- May explode from heat or contamination.
- May ignite combustibles (wood, paper, oil, clothing, etc.).
- May be ignited by heat, sparks or flames.
- May burn rapidly with flare-burning effect.
- Containers may explode when heated.
- Runoff may create fire or explosion hazard.

HEALTH

- Fire may produce irritating, corrosive and/or toxic gases.
- Ingestion or contact (skin, eyes) with substance may cause severe injury or burns.
- Runoff from fire control or dilution water may cause pollution.

PUBLIC SAFETY

- **CALL EMERGENCY RESPONSE Telephone Number on Shipping Paper first. If Shipping Paper not available or no answer, refer to appropriate telephone number listed on the inside back cover.**
- As an immediate precautionary measure, isolate spill or leak area in all directions for at least 50 meters (150 feet) for liquids and at least 25 meters (75 feet) for solids.
- Keep unauthorized personnel away.
- Stay upwind.
- Keep out of low areas.

PROTECTIVE CLOTHING

- Wear positive pressure self-contained breathing apparatus (SCBA).
- Wear chemical protective clothing that is specifically recommended by the manufacturer. It may provide little or no thermal protection.
- Structural firefighters' protective clothing will only provide limited protection.

EVACUATION**Large Spill**

- Consider initial evacuation for at least 250 meters (800 feet) in all directions.

Fire

- If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also, consider initial evacuation for 800 meters (1/2 mile) in all directions.

EMERGENCY RESPONSE**FIRE****Small Fire**

- Water spray or fog is preferred; if water not available use dry chemical, CO₂ or regular foam.

Large Fire

- Flood fire area with water from a distance.
- Use water spray or fog; do not use straight streams.
- Do not move cargo or vehicle if cargo has been exposed to heat.
- Move containers from fire area if you can do it without risk.

Fire involving Tanks or Car/Trailer Loads

- Fight fire from maximum distance or use unmanned hose holders or monitor nozzles.
- Cool containers with flooding quantities of water until well after fire is out.
- ALWAYS stay away from tanks engulfed in fire.
- For massive fire, use unmanned hose holders or monitor nozzles; if this is impossible, withdraw from area and let fire burn.

SPILL OR LEAK

- ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).
- Keep combustibles (wood, paper, oil, etc.) away from spilled material.
- Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
- Keep substance wet using water spray.
- Stop leak if you can do it without risk.

Small Spill

- Take up with inert, damp, non-combustible material using clean non-sparking tools and place into loosely covered plastic containers for later disposal.

Large Spill

- Wet down with water and dike for later disposal.
- Prevent entry into waterways, sewers, basements or confined areas.
- **DO NOT CLEAN-UP OR DISPOSE OF, EXCEPT UNDER SUPERVISION OF A SPECIALIST.**

FIRST AID

- Move victim to fresh air.
- Call 911 or emergency medical service.
- Give artificial respiration if victim is not breathing.
- Administer oxygen if breathing is difficult.
- Remove and isolate contaminated clothing and shoes.
- Contaminated clothing may be a fire risk when dry.
- Remove material from skin immediately.
- In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes.
- Keep victim warm and quiet.
- Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

POTENTIAL HAZARDS**FIRE OR EXPLOSION**

- **HIGHLY FLAMMABLE:** Will be easily ignited by heat, sparks or flames.
- Vapors may form explosive mixtures with air.
- Vapors may travel to source of ignition and flash back.
- Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks).
- Vapor explosion hazard indoors, outdoors or in sewers.
- Those substances designated with a (P) may polymerize explosively when heated or involved in a fire.
- Runoff to sewer may create fire or explosion hazard.
- Containers may explode when heated.
- Many liquids are lighter than water.
- Substance may be transported hot.
- For UN3166, if Lithium ion batteries are involved, also consult GUIDE 147.
- **If molten aluminum is involved, refer to GUIDE 169.**

HEALTH

- Inhalation or contact with material may irritate or burn skin and eyes.
- Fire may produce irritating, corrosive and/or toxic gases.
- Vapors may cause dizziness or suffocation.
- Runoff from fire control or dilution water may cause pollution.

PUBLIC SAFETY

- **CALL EMERGENCY RESPONSE Telephone Number on Shipping Paper first. If Shipping Paper not available or no answer, refer to appropriate telephone number listed on the inside back cover.**
- As an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions.
- Keep unauthorized personnel away.
- Stay upwind.
- Keep out of low areas.
- Ventilate closed spaces before entering.

PROTECTIVE CLOTHING

- Wear positive pressure self-contained breathing apparatus (SCBA).
- Structural firefighters' protective clothing will only provide limited protection.

EVACUATION**Large Spill**

- Consider initial downwind evacuation for at least 300 meters (1000 feet).

Fire

- If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also, consider initial evacuation for 800 meters (1/2 mile) in all directions.

EMERGENCY RESPONSE**FIRE**

CAUTION: All these products have a very low flash point: Use of water spray when fighting fire may be inefficient.

CAUTION: For mixtures containing alcohol or polar solvent, alcohol-resistant foam may be more effective.

Small Fire

- Dry chemical, CO₂, water spray or regular foam.

Large Fire

- Water spray, fog or regular foam.
- **Do not use straight streams.**
- Move containers from fire area if you can do it without risk.

Fire involving Tanks or Car/Trailer Loads

- Fight fire from maximum distance or use unmanned hose holders or monitor nozzles.
- Cool containers with flooding quantities of water until well after fire is out.
- Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank.
- ALWAYS stay away from tanks engulfed in fire.
- For massive fire, use unmanned hose holders or monitor nozzles; if this is impossible, withdraw from area and let fire burn.

SPILL OR LEAK

- ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).
- All equipment used when handling the product must be grounded.
- Do not touch or walk through spilled material.
- Stop leak if you can do it without risk.
- Prevent entry into waterways, sewers, basements or confined areas.
- A vapor suppressing foam may be used to reduce vapors.
- Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.
- Use clean non-sparking tools to collect absorbed material.

Large Spill

- Dike far ahead of liquid spill for later disposal.
- Water spray may reduce vapor; but may not prevent ignition in closed spaces.

FIRST AID

- Move victim to fresh air.
- Call 911 or emergency medical service.
- Give artificial respiration if victim is not breathing.
- Administer oxygen if breathing is difficult.
- Remove and isolate contaminated clothing and shoes.
- In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes.
- Wash skin with soap and water.
- In case of burns, immediately cool affected skin for as long as possible with cold water. Do not remove clothing if adhering to skin.
- Keep victim warm and quiet.
- Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.